BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : EMERGENCY WORKS IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 20.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	Removing B.S. slab of Drain and stacking (P No.25 / I N 5.32)								
		Sqm							
	for Drain		2	350.00	0.90		630.00		
			2	410.00	0.90		738.00		
			2	350.00	0.90		630.00		
							1998.00	65.72	131308.56
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	**65.72**							
2	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I.19.1								
	Desilting for Drain	Cum							
			2	350.00	0.60	0.60	252.00		
			2	410.00	0.60	0.60	295.20		
			2	350.00	0.60	0.60	252.00		
			2	350.00	0.60	0.75	315.00		
							1114.20	86.92	96846.26
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
3	**Refixing stone slabs** of drains and pointing in C.M.(1:3)(P.No.25/I.No.5.33)								
		Sqm							
			85% of Qty Vide Item No.1				1698.30	80.56	136815.05
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
4	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
		Sqm							
			15% of Qty Vide Item No.1				299.70	2100.00	629370.00
	Data Rate **2100.00**								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
5	KSRB 2.2.1 **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
		Cum							
	for culvert		2	6.00	1.50	1.30	23.40		
	for Name board pole		60	0.45	0.45	0.75	9.11		
	for water supply		2	200.00	0.60	0.75	180.00		
			1	150.00	0.60	0.75	67.50		
							280.01	200.34	**56097.70**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
6	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No.12.1)								
		Cum							
					Qty Vide Item No.2+5		**1394.21**		
	Deduct Refilling soil of Qty Vide Item No.17					(-)	**247.50**		
							1146.71	100.00	**114671.25**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms	32.00							
	Add loading and unloading Item No.17.1)	68.00							
	Total	**100.00**							
7	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2								
		Cum							
	for Name board		60	0.45	0.45	0.15	1.82		
	for culvert		2	6.00	1.50	0.15	2.70		
							4.52	5159.02	**23331.67**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
8	KSRB 15-19.2 .Providing and fabricating **MS Name boards of size 0.60 x 0.60 mtrs** with verticle post of 3.70 height made of two jointly welded 65x65x65mm angles with necessary hold fast weld top, name board of 18 gauge sheet of size 0.09x0.60mtrs welded to angles of 25x25x4mm on all sides with all fabrication charges transportation and other incidental charges (approved rates)								
		No							
			60				60.00		
							60.00	6506.00	**390360.00**
	Approved rate 6506.00								
9	KSRB 4-1.7 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2.P No. 13 / Item No. 4.7								
		cum							
	for name board		60	0.45	0.45	0.75	9.11		
	for culvert		2 2	6.00	0.60	0.10	1.44		
			1 2	6.00	0.60	0.10	0.72		
							11.27	5598.92	**63113.83**
	Basic Rate 5282.00								
	Area Weightage @ 6% 316.92								
	Total 5598.92								
10	KSRB 4-1.7 Providing and and applying **enamel metal paint two coats** (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt, and other foreign matter including cost of materials , labour, complete as per specifications (P No. 120/Item No.15.74)								
		Sqm							
	for name board		60	2x(0.60x0.60)			43.20		
							43.20	86.92	**3754.94**
	Basic Rate 82.00								
	Area Weightage @ 6% 4.92								
	Total 86.92								
11	KSRRB M800-9: Painting new letter and figures of any shade with **synthetic enamel paint block or any other approved colour** to give an even shade complete as per specification, ("ii) Hindi (Matras commas and the like not to be measured and paid for half letter shall be counted as half) MORTH specification No. 803,(P No. 197 / Item								
		cm							
	for name board		60	90.00			5400.00		
							5400.00	0.75	**4050.00**
	Basic Rate 0.75								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Area Weightage @ 6%	0.05							
	Total	**0.80**							
12	KSRB 5.2.3 . Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)								
		Sqm							
	for culvert		2	2 6.00	0.60	0.80	11.52		
							11.52	4438.22	**51128.00**
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							
13	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No								
		Sqm							
			2	2 6.00		0.80	19.20		
							19.20	102.82	**1974.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
14	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	for culverts	Sqm							
	covering slab		20	1.80	0.60		21.60		
							21.60	4402.79	**95100.00**
	Data Rate	**4402.79**							
15	Providing and fixing to wall, ceiling and floor, high density polyethylene pipes 6.00 kgs/sq.cm working pressure 75mm outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipments and testing complete as per specifications.(P.N .94 I.N 13.73.4)								
		Rmtr							
			2	200			400.00		
							400.00	320.12	128048.00
	Basic Rate	302.00							
	Area Weightage @ 6 %	18.12							
	Total	**320.12**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
16	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure **50mm** outside diameter with special flange, compression type fittings, wall clips , making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipments and testing complete as per								
		Rmtr							
			1	150.00			150.00		
							150.00	278.78	41817.00
	Basic Rate	263.00							
	Area Weightage @ 6 %	15.78							
	Total	**278.78**							
17	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P No.6 I No.2.11)								
		Cum							
			2	200.00	0.60	0.75	180.00		
			1	150.00	0.60	0.75	67.50		
							247.50	80.56	19938.60
	Basic Rate	76.00							
	Area Weightage @ 6 %	4.56							
	Total	**80.56**							
18	KSRB 13-6.3.1 Providing and fixing in position **brass gate valve** with C.I. wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 (Page No.91/Item No.13.37)								
		Each							
				4			**4**	2175.12	8700.48
	Basic Rate	2052.00							
	Area Weightage @ 6 %	123.12							
	Total	**2175.12**							
19	Providing and fixing on position brass bib cock of approved quality 25mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications.(P.N.91 I.N 13.25)								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Each							
			12				12.00	288.32	3459.84
	Basic Rate	272.00							
	Area Weightage @ 6 %	16.32							
	Total	288.32							
20	Miscellaneous and unforeseen charges	LS							114.82
								Grand Total Amount	2000000.00

(Rupees Twenty Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary
2 The rates adopted are as per PW.P IWTD SR of 2016-17 and data rate of Bangalore Circle
3) The provisions were made in this estimate are necessary and adequate
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits

Assistant Engineer
Ward No.01

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval
Accorded For 20.00lakh Rs
Head of A/C....P1771....
CER NO :....174.... Dt:..16/02/17

TA

CE (YNK)

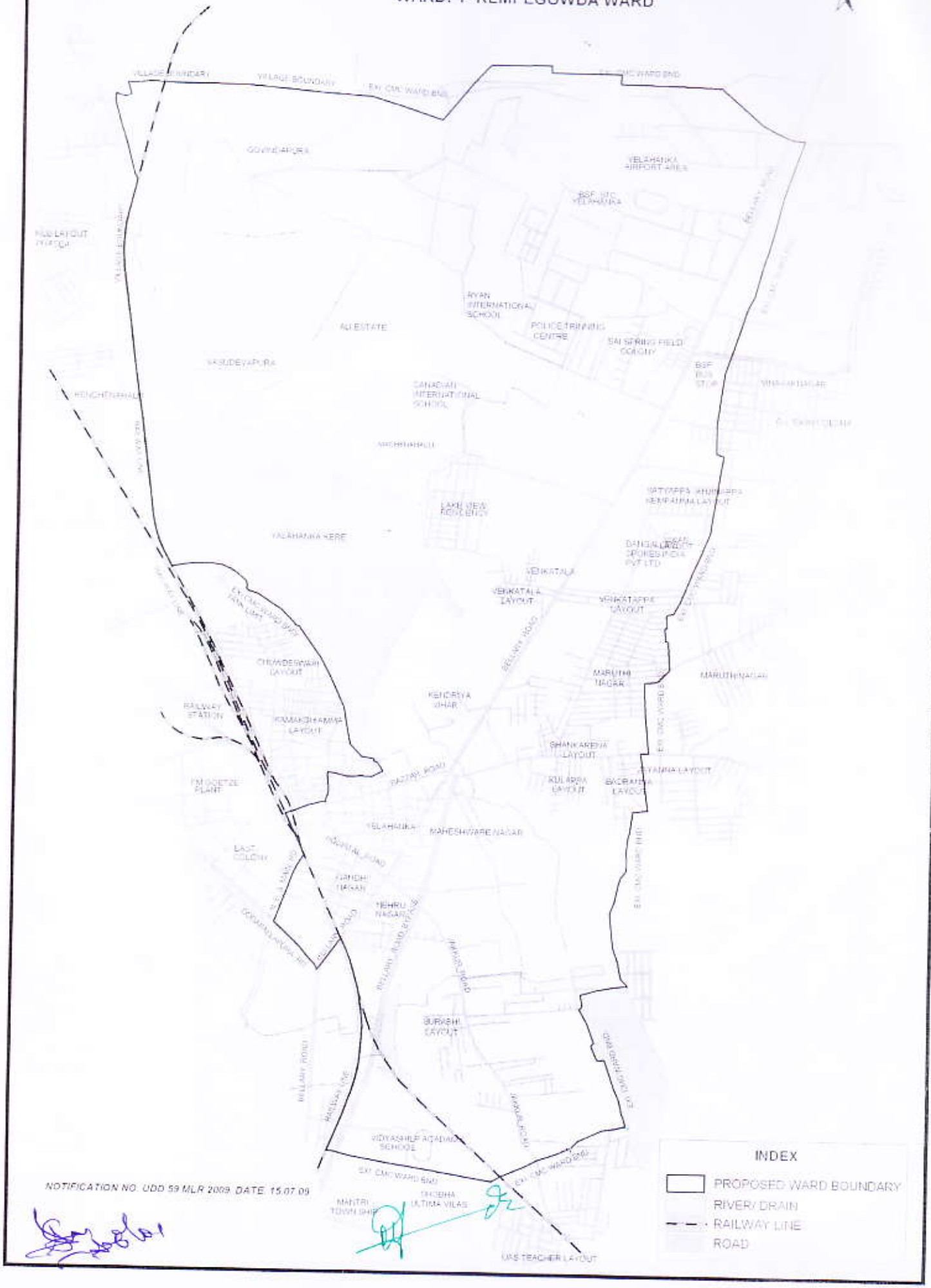
TECHNICALLY SANCTIONED FOR Rs. 20.00 L
Rupees Twenty Lakhs only
Under P.1771.2016-17

C:E/75/55/16-17
Dated 16.2.17

20.00 lacs

150 - YELAHANKA AC

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD



NOTIFICATION NO. UDD 59 MLR 2009, DATE: 15.07.09